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PROGRESS - REPORT

May 1, 1952 to July 31, 1952

Contract No: N7 onr- 35805

Division of Engineering

Brown - University

Providence, Rhode Island

Sponsored jointly by:

OFFICE OF NAVAL RESEARCH

OFFICE OF AIR RESEARCH

PROGRESS REPORT: May 1, 1952 to July 31, 1952

CONTRACT NUMBER: N7-onr-35805

1. Investigation of Losses in Transonic Test Sections.

The report on losses in test sections (WT8) is currently being printed. It will be ready for distribution shortly. However no distribution list for classified reports has been received as yet.

2. Upper Transonic Regime.

The special test section for transonic testing is currently being calibrated. The deblocking properties of this section are satisfactory. No data on shock reflection properties are available as yet.

3. Perforated Walls.

Since it is anticipated that some perforated walls will have to be used in the test section, an investigation on the behavior of such walls at low speed has been undertaken. The mechanism of such walls is not yet properly understood and it is hoped that this investigation will shed some light on this very complex problem.

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